

DENDROBIUM PLANT NAMED 'WHITE ANNA'

5 BACKGROUND OF THE INVENTION

The present invention is directed to a new and distinct cultivar of *Dendrobium*, botanically know as *Dendrobium* hybrid, and having the cultivar name 'WHITE ANNA'.

10 The new cultivar was a seedling amongh a somaclonal variant of *Dendrobium* 'Anna Bride' *Dendrobium* Ekapol 'Anna' x *Dendrobium* Shavin White '5N', bred and selected by the inventor.

Asexual propagation of the new cultivar in Nonthaburi, Thailand by division and micropropagation has demonstrated the uniformity and stability througout successive generations of this new *Dendrobium*.

15

SUMMARY OF THE INVENTION

The following traits have been repeatedly recorded in the new cultivar grown under 50% shade condition of a commercial cut flower nursery in Nonthaburi, Thailand with common horticultural practice.

20

The features that in combination are believed to distinguish 'White Anna' from other known cultivars of *Dendrobium* include : color of petals, sepals and labellum ; round – shape flowers ; long postharvest life ; long inflorescence.

25

Plants of the new *Dendrobium* can be compared to plants of the *Dendrobium* hybrid 'Anna Bride' (patent apply – for). Plants of the new *Dendrobium* differ from plants of the cultivar 'Anna Bride' which is the most resemblance, in the following characteristic

1. The flower of the new *Dendrobium* is white, instead of light purplish pink with white center as found in 'Anna Bride'.

30

BRIEF DESCRIPTION OF ILLUSTRATIONS

5 The accompanying color photographs illustrate the overall appearance of the new cultivar as true in color as possible in color illustration of this type.

Figure 1 is a front and rear view of *Dendrobium* hybrid 'White Anna'.

Figure 2 is an inflorescence of *Dendrobium* hybrid 'White Anna'.

Figure 3 is a front view of *Dendrobium* hybrid 'Anna Bride'.

10 Figure 4 is an inflorescence of *Dendrobium* hybrid 'Anna Bride'.

15

20

25

30

DESCRIPTION OF THE NEW VARIETY

5 The following observations were made of 3 – year old plants of the new variety grown under light shade conditions, in Nonthaburi, Thailand during the months of March through August. Phenotypic expression may vary with environmental, cultural and climatic conditions, as well as differences in conditions of light and medium.

10 Throughout this specification, color references and / or values are based upon The Royal Horticultural Society Colour Chart (2001 edition) and terminology used in the color descriptions herein refers to plate number in this color chart except where common terms of color definition are employed.

ORINIGINAL CULTIVAR :

15 *Dendrobium* hybrid 'Anna White'

PROPAGATION :

By division and micropropagation.

PLANT

20 Shape : Pseudobulb, cylidrical and upright
Growth habit : Resulting from branching of rhizome, the new pseudobulb emerges close to the old pseudobulb
Size : Height about 50 – 70 cm ; diameter about 2.0 – 2.5 cm
Color : Near 143 C

25

FOLIAGE

Leaf

Shape : Lanceolate with an acute apex, an obtuse base and entire margin.
30 Size : Length about 15 – 20 cm, width about 4.0 – 5.0 cm.

1 2546/BGD/SW582

Surface : Smooth ; upper near 141 A ; lower near 143 B

Aspect : Distichous alternate array on pseudobulb.

5 Leaf sheath : Length about 15 – 20 cm ; near 143 B

INFLORESCENCE

From apical and 3 to 4 axillary buds of pseudobulb ;
erect ; raceme ; green peduncle of about 15 – 18 cm
long ; rachis about 40 – 45 cm long ; 16 to 23 flowers.

10

15

20

25

30

1 2546/BGD/SW582

5 Flower : Natural spread about 6.5 – 7.2 cm ; dorsal sepal about 1.8 to 2.0
cm wide, 3.7 to 3.9 cm long, near N 155 C, abaxil near 155 C ;
lateral sepals about 1.8 to 2.0 cm wide, 4.5 to 4.7 cm long, near
N 155 C, abaxil near 155 C ; petals about 3.4 to 3.5 cm wide, 3.7
to 3.9 cm long, near N 155 C, abaxil near 155 C ; labellum about
1.8 to 2.0 cm wide, 4.2 to 4.3 cm long, near 155 C, gill near
149 D abaxil near 155 C ; pedicel about 4.8 – 4.9 cm long, young
bud near 149 C.

10 Vase life About 12 – 15 days in water

15 Plant of the Dendrobium cultivar 'White Anna' is upright and clumping. The
inflorescence is long with 16 – 23 flowers, long lasting. Flower is white with light
yellowish green gills. Petals overlap sepals.

20

25

30